Record Display Form

End of Result Set

Generate Collection

File: DWPI

Nov 30, 1999

L1: Entry 2 of 2

DERWENT-ACC-NO: 2000-079678

DERWENT-WEEK: 200166

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TITLE: Copy right protection system for computerized digital publications - has memory which stores encrypted information transferred from another memory and decryption is performed using key which is similar to key used during encryption

INVENTOR: HIRANO, H; KOTANI, S; UTSUMI, K

PATENT-ASSIGNEE: FUJITSU LTD (FUIT)

PRIORITY-DATA: 1998JP-0138663 (May 20, 1998)

PATENT-FAMILY:

 PUB-NO
 PUB-DATE
 LANGUAGE
 PAGES
 MAIN-IPC

 JP 11328033 A
 November 30, 1999
 013
 G06F012/14

 US 20010032088 A1
 October 18, 2001
 000
 G06F017/60

APPLICATION-DATA:

PUB-NO APPL-DATE APPL-NO DESCRIPTOR

JP 11328033A May 20, 1998 1998JP-0138663 US20010032088A1 November 9, 1998 1998US-0187749

INT-CL (IPC): $\underline{G06} \ \underline{F} \ \underline{12/14}$; $\underline{G06} \ \underline{F} \ \underline{17/60}$; $\underline{G09} \ \underline{C} \ \underline{1/00}$

ABSTRACTED-PUB-NO: JP 11328033A

BASIC-ABSTRACT:

NOVELTY - Decoded media ID information specified in memory (10) is encrypted using a key. The encrypted information is transferred to another memory (30) where it is decrypted using another key whose ID is similar to the key used in encryption.

USE - For computerized digital publications.

ADVANTAGE - Since there is no consideration about user's rights on contents, contents which are free from rights restrictions can be duplicated or distributed with ease. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of components in license transfer apparatus for protecting copyright of computerized digital publications. (10,30) Memory.

ABSTRACTED-PUB-NO: US20010032088A EQUIVALENT-ABSTRACTS:

NOVELTY - Decoded media ID information specified in memory (10) is encrypted using a key. The encrypted information is transferred to another memory (30) where it is decrypted using another key whose ID is similar to the key used in encryption.

USE - For computerized digital publications.

ADVANTAGE - Since there is no consideration about user's rights on contents, contents which are free from rights restrictions can be duplicated or distributed with ease. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of components in license transfer apparatus for protecting copyright of computerized digital publications. (10,30) Memory.

CHOSEN-DRAWING: Dwg.1/7

DERWENT-CLASS: P85 T01 EPI-CODES: T01-H01C2; T01-J05A;

L Number	Hits	Search Text	DB	Time stamp
-	0	*11-328033*	USPAT:	2003/02/11
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			DERWENT:	
			IBM_TDB	
-	86	(audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same	USPAT;	2003/02/11
		((compress\$4 and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or	US-PGPUB;	07:18
		decompress\$4) and (output or speaker) and (external with record\$4)) and (encrypt\$4 and	EPO; JPO;	ŀ
		decrypt\$4)	DERWENT;	
			IBM_TDB	
-	54	((audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same	USPAT:	2003/02/11
1		((compress\$4 and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or	US-PGPUB:	07:18
		decompress\$4) and (output or speaker) and (external with record\$4)) and (encrypt\$4 and	EPO: JPO:	
		decrypt\$4)) and RAM	DERWENT:	
		•	IBM_TDB	
-	85	((audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same	USPAT:	2003/02/11
		((compress\$4 and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or	US-PGPUB:	07:19
		decompress\$4) and (output or speaker) and (external with record\$4)) and (encrypt\$4 and	EPO: JPO:	
		decrypt\$4)) and (RAM or disk or card or random odj access)	DERWENT;	
		•	IBM_TDB	
	5	(((audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same	USPAT;	2003/02/11
		((compress\$4 and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or	US-PGPUB;	07:20
		decompress\$4) and (output or speaker) and (external with record\$4)) and (encrypt\$4 and	EPO: JPO:	
		decrypt\$4)) and (RAM or disk or card or random adj access)) and type adj compress\$4	DERWENT;	
			IBM_TDB	
-	98	("5274508" "5838383" "6031914" "5311374" "5701384" "5818467" "4628790" "4777612"	USPAT:	2003/02/11
		"4899150" "4910515" "4993073" "5182559" "5253291" "5491498" "5535339" "5570393"	US-PGPUB:	07:23
		"5647005" "5652585" "5661715" "5666451" "5689438" "5832442" "5864527" "5887108"	EPO: JPO:	
		"5892473" "5905709" "5923624" "6122436" "6211800" "6211800" "62333393" "4477844"	DERWENT:	
		"4570153" "5200742" "5257027" "5406632" "5412628" "5426538" "5630111" "5684804"	IBM TDB	
		"5721778" "5731770" "5768316" "5787399" "5835042" "5862189" "5920673" "5920273"		
		"6072771" "6091772").pn.		
	12	(((audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same	USPAT:	2003/02/11
		((compress\$4 and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or	US-PGPUB:	07:24
l		decompress\$4) and (output or speaker) and (external with record\$4)) and (encrypt\$4 and	EPO: JPO:	
		decrypt\$4)) and (RAM or disk or card or random adjaccess)) and external\$4 adj record\$4	DERWENT:	
		The Mark the second of the sec	IBM_TDB	

Search History 6/3/03 12:45:11 PM Page 1 C:\APPS\EAST\Workspaces\09740790.wsp

-	1	2000-519099	USPAT;	2003/02/11
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			EPO; JPO;	
		•	DERWENT;	
			IBM_TDB	
1 -	10	"762417"	USPAT:	2003/02/11
İ			US-PGPUB;	07:24
			EPO; JPO;	
			DERWENT:	ľ
			IBM_TDB	
-	14	*705022"	USPAT:	2003/02/11
			US-PGPUB:	07:24
			EPO; JPO;	
		*	DERWENT:	
			IBM_TDB	
-	3	"9528702"	USPAT:	2003/02/11
	_		US-PGPUB:	07:24
			EPO: JPO:	
			DERWENT:	
			IBM_TDB	
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-			US-PGPUB:	07:24
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			DERWENT:	
			IBM_TDB	
-	2	("5481645").PN.	USPAT:	2003/02/11
		,	US-PGPUB:	07:24
			EPO: JPO:	
			DERWENT:	
			IBM_TDB	
_	612	audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same	USPAT;	2003/02/11
		((compress\$4 and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or	US-PGPUB:	07:24
		decompress\$4) and (output or speaker) and (external with record\$4)	EPO; JPO;	
			DERWENT:	ļ
			IBM_TDB	1
	136	(audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same	USPAT;	2003/02/11
		((compress\$4 and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or	US-PGPUB:	07:25
		decompress\$4) and (output or speaker) and (external with record\$4)) and (encrypt\$4 or	EPO; JPO;	57.25
		decrypt\$4)	DERWENT:	1
		==== (F=== ·)	IBM_TDB	

 1	(((audio and player and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4	USPAT;	2003/02/11
1	((compress\$4 and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or	US-PGPUB;	07:25
	decompress\$4) and (output or speaker) and (external with record\$4)) and (encrypt\$4 and	EPO: JPO:	
	decrypt\$4)) and (RAM or disk or card or random adj access)) and compress\$4 adj type	DERWENT:	
j	•	IBM_TDB	
2	(audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same	USPAT:	2003/02/11
i	((compress\$4 and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or	US-PGPUB:	07:32
1	decompress\$4) and (output or speaker) and (external with record\$4)) and (("5274508" "5838383"	EPO; JPO;	
	"6031914" "5311374" "5701384" "5818467" "4628790" "4777612" "4899150" "4910515"	DERWENT;	1
	"4993073" "5182559" "5253291" "5491498" "5535339" "5570393" "5647005" "5652585"	IBM TOB	
1	"5661715" "5666451" "5689438" "5832442" "5864527" "5887108" "5892473" "5905709"	_	
	"5923624" "6122436" "6211800" "6211800" "6233393" "4477844" "4570153" "5200742"		1
	5257027 *5406632* *5412628* *5426538* *5630111* *5684804* *5721778* *5731770*]	l
	"5768316" "5787399" "5835042" "5862189" "5920673" "5920273" "6072771" "6091772").pn.	1	1
	1		1
3	(audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same	USPAT:	2003/02/11
"	((compress\$4 and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or	US-PGPUB:	09:21
	decompress\$4) and (output or speaker) and ((external or separat\$4) with record\$4)) and	EPO: JPO:	
	(("5274508" "5838383" "6031914" "5311374" "5701384" "5818467" "4628790" "4777612"	DERWENT:	
	"4899150" "4910515" "4993073" "5182559" "5253291" "5491498" "5535339" "5570393"	IBM TOB	
	*5647005" *5652585" *5661715" *5666451" *5689438" *5832442" *5864527" *5887108"		
	"5892473" "5905709" "5923624" "6122436" "6211800" "6211800" "6233393" "4477844"	l	
	"4570153" "5200742" "5257027" "5406632" "5412628" "5426538" "5630111" "5684804"		
	5721778 *5731770* *5768316* *5787399* *5835042* *5862189* *5920673* *5920273*		
	6072771 *6091772*).pn.		
ŀ	ν		
21067	ozawa.in.	USPAT:	2003/02/11
2.007	V2010.11.1	US-PGPUB:	07:42
		EPO: JPO:	
		DERWENT:	
		IBM_TDB	1
35592	kazunori in.	USPAT:	2003/02/11
33372		US-PGPUB:	07:43
1		EPO: JPO:	
İ		DERWENT:	
		IBM TOB	

Search History 6/3/03 12:45:11 PM Page 3 C:\APP5\EAST\Workspaces\09740790.wsp

-	393	kazunori and sony	USPAT;	2003/02/11
			US-PGPUB;	07:44
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	101	(kazunori and sony) and ozawa	USPAT;	2003/02/11
			US-PGPUB;	07:44
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	15	((kazunori and sony) and ozawa) and masahiro	USPAT;	2003/02/11
		(US-PGPUB:	07:45
			EPO; JPO;	1
		•	DERWENT:	İ
			IBM_TDB	
_	5	((((audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same	USPAT:	2003/02/11
		((compress\$4 and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or	US-PGPUB;	09:22
		decompress\$4) and (output or speaker) and (external with record\$4)) and (encrypt\$4 and	EPO; JPO;	
		decrypt\$4)) and (RAM or disk or card or random adj access)) and type adj compress\$4) and	DERWENT;	
		format	IBM TOB	
_	3	((audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same	USPAT:	2003/02/11
		((compress\$4 and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or	US-PGPUB:	09:24
		decompress\$4) and (output or speaker) and ((external or separat\$4) with record\$4)) and	EPO: JPO:	
		(("5274508" "5838383" "6031914" "5311374" "5701384" "5818467" "4628790" "4777612"	DERWENT:	
		"4899150" "4910515" "4993073" "5182559" "5253291" "5491498" "5535339" "5570393"	IBM TOB	ļ
		"5647005" "5652585" "5661715" "5666451" "5689438" "5832442" "5864527" "5887108"	_	
		"5892473" "5905709" "5923624" "6122436" "6211800" "6211800" "6233393" "4477844"		
		"4570153" "5200742" "5257027" "5406632" "5412628" "5426538" "5630111" "5684804"		
		5721778 *5731770* *5768316* *5787399* *5835042* *5862189* *5920673* *5920273*		
		"6072771" "6091772"),pn,		
)) and format		
.	32	<i>"</i>	USPAT:	2003/02/11
	1	"4899150" "4910515" "4993073" "5182559" "5253291" "5491498" "5535339" "5570393"	US-PGPUB:	09:24
		"5647005" "5652585" "5661715" "5666451" "5689438" "5832442" "5864527" "5887108"	EPO; JPO;	
		"5892473" "5905709" "5923624" "6122436" "6211800" "6211800" "6233393" "4477844"	DERWENT;	
		4570153 *5200742* *5257027* *5406632* *5412628* *5426538* *5630111* *5684804*	IBM_TDB	
		5721778 *5731770* *5768316* *5787399* *5835042* *5862189* *5920673* *5920273*		
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) and format	1	

+	17	(("5274508" "5056383" "6031914" "5311374" "5701384" "5818467" "4628790" "4777612	USPAT;	2003/02/11
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	1	*5647005* *5652585* *5661715* *5666451* *5689438* *5832442* *5864527* *5887108*	EPO; JPO;	
	1	*5892473" "5905709" "5923624" "6122436" "6211800" "6211800" "62333393" "4477844"	DERWENT:	
	İ	"4570153" "5200742" "5257027" "5406632" "5412628" "5426538" "5630111" "5684804"	IBM_TDB	1
		5721778 *5731770* *5768316* *5787399* *5835042* *5862189* *5920673* *5920273*	_	
		"6072771" "6091772").pn.		
) and format with (mode or style or method or encod\$4 or cod\$4)		
	۱ ،	(("5274508" "5838383" "6031914" "5311374" "5701384" "5818467" "4628790" "4777612"	USPAT;	2003/02/11
		"4899150" "4910515" "4993073" "5182559" "5253291" "5491498" "5535339" "5570393"	US-PGPUB:	09:43
	1	"5647005" "5652585" "5661715" "5666451" "5689438" "5832442" "5864527" "5887108"	EPO: JPO:	
		"5892473" "5905709" "5923624" "6122436" "6211800" "6211800" "6233393" "4477844"	DERWENT:	
		"4570153" "5200742" "5257027" "5406632" "5412628" "5426538" "5630111" "5684804"	IBM_TDB	
		"5721778" "5731770" "5768316" "5787399" "5835042" "5862189" "5920673" "5920273"		
		"6072771" "6091772"),pn.		
) and format with (mode or style or method or encod\$4 or cod\$4) and multi-rate		
	ه ا	(("5274508" "5838383" "6031914" "5311374" "5701384" "5818467" "4628790" "4777612"	USPAT:	2003/02/11
	"	*4899150* *4910515* *4993073* *5182559* *5253291* *5491498* *5535339* *5570393*	US-PGPUB:	09:43
		*5647005" *5652585" *5661715" *5666451" *5689438" *5832442" *5864527" *5887108"	EPO: JPO:	1
		5892473 *5905709* *5923624* *6122436* *6211800* *6211800* *6233393* *4477844*	DERWENT:	
		"4570153" "5200742" "5257027" "5406632" "5412628" "5426538" "5630111" "5684804"	IBM TDB	
		"5721778" "5731770" "5768316" "5787399" "5835042" "5862189" "5920673" "5920273"	10	
		6072771 *6091772*).pn.		
) and multi-rate		
	6	((*5274508* "5838383* "6031914* "5311374" "5701384* "5818467* "4628790* "4777612"	USPAT;	2003/02/11
	•	**************************************	US-PGPUB:	09:46
		"5647005" "5652585" "5661715" "5666451" "5689438" "5832442" "5864527" "5887108"	EPO: JPO:	05.40
		"5892473" "5905709" "5923624" "6122436" "6211800" "6213800" "6233393" "4477844"	DERWENT:	
			IBM_TDB	
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		"5721778" "5731770" "5768316" "5787399" "5835042" "5862189" "5920673" "5920273" "6072771" "6091772").pn.		
	_) and multi\$4 with mod\$2 (("5274508" "5838383" "6031914" "5311374" "5701384" "5818467" "4628790" "4777612"	USPAT:	2003/02/11
	5	<u> </u>	US-PGPUB:	09:44
		*4899150" *4910515" *4993073" *5182559" *5253291" *5491498" *5535339" *5570393"	EPO: JPO:	09:44
		"5647005" "5652585" "5661715" "5666451" "5689438" "5832442" "5864527" "5887108"		
		"5892473" "5905709" "5923624" "6122436" "6211800" "6211800" "6233393" "4477844"	DERWENT;	ł
		"4570153" "5200742" "5257027" "5406632" "5412628" "5426538" "5630111" "5684804"	IBW_TDB	ŀ
		"5721778" "5731770" "5768316" "5787399" "5835042" "5862189" "5920673" "5920273"		
		"6072771" "6091772").pn.		
	1) and multi\$4 with rate		

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	1	((("5274508" "5838383" "6031914" "5311374" "5701384" "5818467" "4628790" "4777612"	USPAT:	2003/02/11
_	1	**************************************	US-PGPUB:	09:47
		"5647005" "5652585" "5661715" "5666451" "5689438" "5832442" "5864527" "5887108"	EPO: JPO:	
		*5892473" "5905709" "5923624" "6122436" "6211800" "6211800" "6233393" "4477844"	DERWENT:	
		4570153 "5200742* "5257027" "5406632* "5412628" "5426538" "5630111" "5684804"	IBM TDB	
		"5721778" "5731770" "5768316" "5787399" "5835042" "5862189" "5920673" "5920273"	10	
		"6072771" "6091772").pn.	ļ	
) and multi\$4 with rate) and ((("5274508" "5838383" "6031914" "5311374" "5701384" "5818467"		
		"4628790" "4777612" "4899150" "4910515" "4993073" "5182559" "5253291" "5491498"		1
	1	*5535339* *5570393* *5647005* *5652585* *5661715* *5666451* *5689438* *5832442*		
	1	"5864527" "5887108" "5892473" "5905709" "5923624" "6122436" "6211800" "6211800"		
	1			
		"6233393" "4477844" "4570153" "5200742" "5257027" "5406632" "5412628" "5426538"		1
	1	"5630111" "5684804" "5721778" "5731770" "5768316" "5787399" "5835042" "5862189"		i l
	1	"5920673" "5920273" "6072771" "6091772").pn.		
	٠) and multi\$4 with mod\$2)	LICDATE	2003/02/11 11:05
-	10	((("5274508" "5838383" "6031914" "5311374" "5701384" "5818467" "4628790" "4777612"	USPAT;	2003/02/11 11:05
		4899150 *4910515* *4993073* *5182559* *5253291* *5491498* *5535339* *5570393*	US-PGPUB:	ŀ
		*5647005" *5652585" *5661715" *5666451" *5689438" *5832442" *5864527" *5887108"	EPO; JPO;	ŀ
		"5892473" "5905709" "5923624" "6122436" "6211800" "6211800" "6233393" "4477844"	DERWENT:	
		"4570153" "5200742" "5257027" "5406632" "5412628" "5426538" "5630111" "5684804"	IBM_TDB	
	ļ	*5721778* *5731770* *5768316* *5787399* *5835042* *5862189* *5920673* *5920273*		
	ļ	*6072771* *6091772*).pn.		i
	İ) and multi\$4 with rate) or ((("5274508" "5838383" "6031914" "5311374" "5701384" "5818467"		
	İ	"4628790" "4777612" "4899150" "4910515" "4993073" "5182559" "5253291" "5491498"		
	ļ	*5535339* *5570393* *5647005* *5652585* *5661715* *5666451* *5689438* *5832442*		
	1	*5864527* *5887108* *5892473* *5905709* *5923624* *6122436* *6211800* *6211800*	1	
	ŀ	"6233393" "4477844" "4570153" "5200742" "5257027" "5406632" "5412628" "5426538"	1	
		"5630111" "5684804" "5721778" "5731770" "5768316" "5787399" "5835042" "5862189"		
		"5920673" "5920273" "6072771" "6091772").pn.		
	l .) and multi\$4 with mod\$2)		
-	17	W	USPAT;	2003/02/11 11:08
		"4899150" "4910515" "4993073" "5182559" "5253291" "5491498" "5535339" "5570393"	US-PGPUB:	
	!	"5647005" "5652585" "5661715" "5666451" "5689438" "5832442" "5864527" "5887108"	EPO; JPO;	
		"5892473" "5905709" "5923624" "6122436" "6211800" "6211800" "62333393" "4477844"	DERWENT:	
		"4570153" "5200742" "5257027" "5406632" "5412628" "5426538" "5630111" "5684804"	IBM_TDB	
		"5721778" "5731770" "5768316" "5787399" "5835042" "5862189" "5920673" "5920273"		
	!	"6072771" "6091772").pn.	l	
) AND (copyright\$4 or protect\$4 or encrypt\$4 or lock\$4)	<u> </u>	<u> </u>

0	(("5274508" "5656383" "6031914" "5311374" "5701384" "5818467" "4628790" "4777612	USPAT;	2003/02/11
	"4899150" "4910515" "4993073" "5182559" "5253291" "5491498" "5535339" "5570393"	U5-PGPUB:	12:00
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	5721778 *5731770* *5768316* *5787399* *5835042* *5862189* *5920673* *5920273*		l
	"6072771" "6091772").pn.		
) and copyright\$4 same (protect\$4 or encrypt\$4 or lock\$4) and (authoriz\$ or decrypt\$4)		1
1	((*5274508* *5838383* *6031914* *5311374* *5701384* *5818467* *4628790* *4777612*	USPAT:	2003/02/11
	4899150 *4910515* *4993073* *5182559* *5253291* *5491498* *5535339* *5570393*	US-PGPUB:	12:02
	5647005 *5652585* *5661715* *5666451* *5689438* *5832442* *5864527* *5887108*	EPO: JPO:	1
	"5892473" "5905709" "5923624" "6122436" "6211800" "6211800" "6233393" "4477844"	DERWENT:	1
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	"5721778" "5731770" "5768316" "5787399" "5835042" "5862189" "5920673" "5920273"	_	
	"6072771" "6091772"),pn.		
) and copyright\$4 same (protect\$4 or encrypt\$4 or lock\$4)		1
4302	(audio or speech or talk or voice or music) and copyright\$4 same (protect\$4 or encrypt\$4 or	USPAT;	2003/02/11
	lock\$4)	US-PGPUB;	12:03
		EPO: JPO;	
		DERWENT:	1
		IBM_TDB	
3887	((audio or speech or talk or voice or music) and copyright\$4 same (protect\$4 or encrypt\$4 or	USPAT;	2003/02/11
	lock\$4)) and record\$4	US-PGPUB;	12:03
		EPO: JPO:	
		DERWENT;	
		IBM_TDB	
1088	(((audio or speech or talk or voice or music) and copyright\$4 same (protect\$4 or encrypt\$4 or	USPAT;	2003/02/11
	lock\$4)) and record\$4) and authoriz\$8	US-PGPUB;	12:04
		EPO: JPO:	
		DERWENT:	
		IBM_TDB	

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-	32	((((audio or speech or talk or voice or music) and copyright\$4 same (protect\$4 or encrypt\$4 or lock\$4)) and record\$4) and authoriz\$8) and (((audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same ((compress\$4) and (aigital) or signal) and (attribut\$4 or indicot\$4) and (expansion or expand\$4 or decompress\$4) and (output or speaker) and (external with record\$4)) and (encrypt\$4)) or (((audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same ((compress\$4 and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or decompress\$4) and (output or speaker) and (external with record\$4)) and (encrypt\$4 and decrypt\$4)) and RAM) or ((((audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 and stor\$4 same ((compress\$4) and digital) or signal) and (attribut\$4 or indicat\$4) and (expansion or expand\$4 or decompress\$4) and (output or speaker) and (external with record\$4)) and (encrypt\$4 and decrypt\$4)) and (RAM or disk or card or random adj access)) and type adj compress\$4 or ((audio and play\$4 and record\$4 and (A/D or AD or convert) and compress\$4 on stor\$4 same ((compress\$4 and digital) or signal) and (ottribut\$4 or indicat\$4) and (expansion or expand\$4 or decompress\$4 and digital) or signal) and (ottribut\$4 or indicat\$4) and (expansion or expand\$4 or decompress\$4) and (output or speaker)	USPAT; US-PGPUB; EPO; JPO: DERWENT; IBM_TDB	2003/02/11 12:04
_	6	or speaker) and (external with record\$4)) and (encrypt\$4 and decrypt\$4)) and (RAM or disk or card or random adj access))) "519099"	USPAT;	2003/06/01
			US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	14:53
-	148	*20672*	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/01 14:54
•	4883	SAKO.IN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/02 07:51
-	15165	osawa.in.	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2003/06/02 07:52

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[-	0	(osawa and kurn and masuda).in.	USPAT;	2003/06/02
	ŀ	·	US-PGPUB:	07:52
	İ		EPO; JPO;	
			DERWENT:	
			IBM_TDB	
-	10	*762417*	USPAT:	2003/06/02
			US-PGPUB;	07:54
			EPO: JPO:	
	1		DERWENT:	
			IBM_TDB	İ
-	2	("6345145")PN.	USPAT:	2003/06/02
			US-PGPUB:	07:54
			EPO: JPO:	
	1		DERWENT;	
		·	IBM_TDB	
-	21	("705022" "762417" "5481645" "5630111" "5870710" "5943422" "6031914" "6226618"	USPAT;	2003/06/02
	1	"6240185" "6345145").pn.	US-PGPUB;	08:08
		·	EPO; JPO;	
			DERWENT;	
			IBM_TOB	
	46015	(code or coding or compress\$4) with (type or method) with (indicat\$4 or flag or bit or byte or	USPAT;	2003/06/02
	1	field or character)	US-PGPUB;	10:08
			EPO; JPO;	1
	i		DERWENT:	-
			IBM_TDB	
-	5	(("705022" "762417" "5481645" "5630111" "5870710" "5943422" "6031914" "6226618"	USPAT;	2003/06/02
		"6240185" "6345145").pn.	US-PGPUB:	10:01
) and (code or coding or compress\$4) with (type or method)	EPO; JPO;	
			DERWENT;	
	1		IBW_TDB	
	1166	((code or coding or compress\$4) with (type or method) with (indicat\$4 or flog or bit or byte or	USPAT;	2003/06/02
		field or character)) and 704/.ccls.	US-PGPUB;	09:53
	1		EPO; JPO;	
	1		DERWENT;	
	1		IBW_TDB	
-	185	!	USPAT;	2003/06/02
		field or character)) and 704/.ccls.) and audio and (play\$4) and record\$4	US-PGPUB;	10:07
	1		EPO; JPO;	
	1		DERWENT:	
	L		IBM_TDB	

Search History 6/3/03 12:45:11 PM Page 9 C:\APP5\EAST\Workspaces\09740790.wsp

-	54696	(code or coding or compress\$4) with (type or method or mode) with (indicat\$4 or flag or bit or	USPAT;	2003/06/02
		byte or field or character)	US-PGPUB;	10:05
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	210	((code or coding or compress\$4) with (type or method or mode) with (indicat\$4 or flag or bit or	USPAT;	2003/06/02
		byte or field or character)) and audio and (play\$4) and record\$4 and 704/.ccls.	US-PGPUB;	10:08
			EPO; JPO;	
		· ·	DERWENT;	
			IBM_TDB	
-	167	(((code or coding or compress\$4) with (type or method or mode) with (indicat\$4 or flag or bit or	USPAT;	2003/06/02
	ļ	byte or field or character)) and audio and (play\$4) and record\$4 and 704/.ccls.) and (output or	US-PGPUB;	10:16
	l	store or write) with (indicat\$4 or flag or bit or byte or field or character)	EPO: JPO:	
			DERWENT:	
			IBM_TDB	
-	1	((((code or coding or compress\$4) with (type or method or mode) with (indicat\$4 or flag or bit or	USPAT;	2003/06/02
		byte or field or character)) and audio and (play\$4) and record\$4 and 704/.ccls.) and (output or	US-PGPUB;	10:12
		store or write) with (indicat\$4 or flag or bit or byte or field or character)) and (multi adj mode or	EPO; JPO;	
		multi-mode)	DERWENT:	
			IBM_TDB	
-	100	((((code or coding or compress\$4) with (type or method or mode) with (indicat\$4 or flag or bit or	USPAT;	2003/06/03
		byte or field or character)) and audio and (play\$4) and record\$4 and 704/.ccls.) and (output or	US-PGPUB;	07:21
		store or write) with (indicat\$4 or flag or bit or byte or field or character)) and (output or store or	EPO: JPO:	
		write) with (indicat\$4 or flag or identif\$6 or attribut\$4)	DERWENT;	
			IBM_TDB	
-	82	(((((code or coding or compress\$4) with (type or method or mode) with (indicat\$4 or flag or bit or	USPAT;	2003/06/03
		byte or field or character)) and audio and (play\$4) and record\$4 and 704/.ccls.) and (output or	US-PGPUB;	07:30
		store or write) with (indicat\$4 or flag or bit or byte or field or character)) and (output or store or	EPO; JPO;	
	İ	write) with (indicat\$4 or flag or identif\$6 or attribut\$4)) and (code or coding or compress\$4)	DERWENT:	
		with (indicat\$4 or flag or identif\$6 or attribut\$4)	IBM_TDB	
-	30	((((((code or coding or compress\$4) with (type or method or mode) with (indicat\$4 or flag or bit or	USPAT;	2003/06/03
	!	byte or field or character)) and audio and (play\$4) and record\$4 and 704/.ccls.) and (output or	US-PGPUB:	07:30
	1	store or write) with (indicat\$4 or flag or bit or byte or field or character)) and (output or store or	EPO; JPO;	
l		write) with (indicat\$4 or flag or identif\$6 or attribut\$4)) and (code or coding or compress\$4)	DERWENT:	
	l	with (indicat\$4 or flag or identif\$6 or attribut\$4)) and (multi-mode or multimode or multi)	IBM_TDB	